

APRIL/MAY 2023

DOAM43C — ALGAL TECHNOLOGY

Time : Three hours

Maximum : 75 marks



SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Mention the chemical composition of Algae.
2. Define the role of Algal Technology.
3. Give any two characteristics of Dunaliella Salina.
4. List out any three characteristics of Scenedesmus sp.
5. What is meant by Ideal growth condition of Algal growth?
6. Define Immobilization of Algae.
7. What is phyco remediation?
8. Define Blue Green Algae.
9. Write any two methods of main control of Algae.
10. Expand the term: CCAL and FACHB.



SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) List out the Algae classification based on pigmentation.

Or

- (b) Write about economic importance of Algae.

12. (a) Give an account on general characteristics of Ulva

Or

- (b) Explain in brief about the significance of Porphyra.

13. (a) Describe the scaling up of Algae.

Or

- (b) Discuss in brief about harvesting of Algae.

14. (a) Write short notes on fine chemicals.

Or

- (b) What are the applications of Spirulina sp.

15. (a) Briefly explain about Algae controlled by chemical.

Or

- (b) Explain about Algicide.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Give a detail account of distributions of Algae.

17. Explain about the Haematococcus Sp.

18. Algae growth curve and add notes on it.

19. Discuss the role of Algae in nano biotechnology.

20. Describe the applications of Algicides.